

A photograph of a man standing on a balcony, looking out over a city. The balcony has a glass railing and a striped chair. A large potted plant is in the foreground. The background shows a cityscape with power lines and a cloudy sky. The text is overlaid on the left side of the image.

**Smart Kalasatama**  
**Home-on-demand**  
**#lastmile**  
**#autonomoussdeliveries**  
**#robodeliveries 5.3.2020**

# Agenda

13:45 Welcome, Smart everyday logistics and Kalasatama as a innovation platform, *Kaisa Spilling, Forum Virium Helsinki*

13:55 Redi as a test platform, housing as a service, *Lotta Toivonen, SRV*

14:10 How lift APIs support autonomous transport, *Mirva Nevalainen, Kone*

14:25 Home-on-Demand open call, *Assi Rautanen, Forum Virium Helsinki*

14:45 Q&A

15:00 Matchmaking

15:20 Introduction to the experiment area

16:00 The event ends





**SMART KALASATAMA**  
**Innovation district**  
**+4000 residents    25 000 by 2040**



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# A Functional everyday



**“All that makes everyday easier and functional is desirable. ”**

**“I try to order online as much as I can to save time and wish home delivery or deliveries long my daily routes. It is always a plus if the deliveries are flexible and can take into account my changing timetables and routes.”**

# Agile Piloting Programme

A flexible means for  
procuring small pilots 3-6  
months  
(8-10k euros)

**Co-creation** and  
**experimentation** in  
real-life urban  
environment





# Co-creating Value

MARKET  
REFERENCES

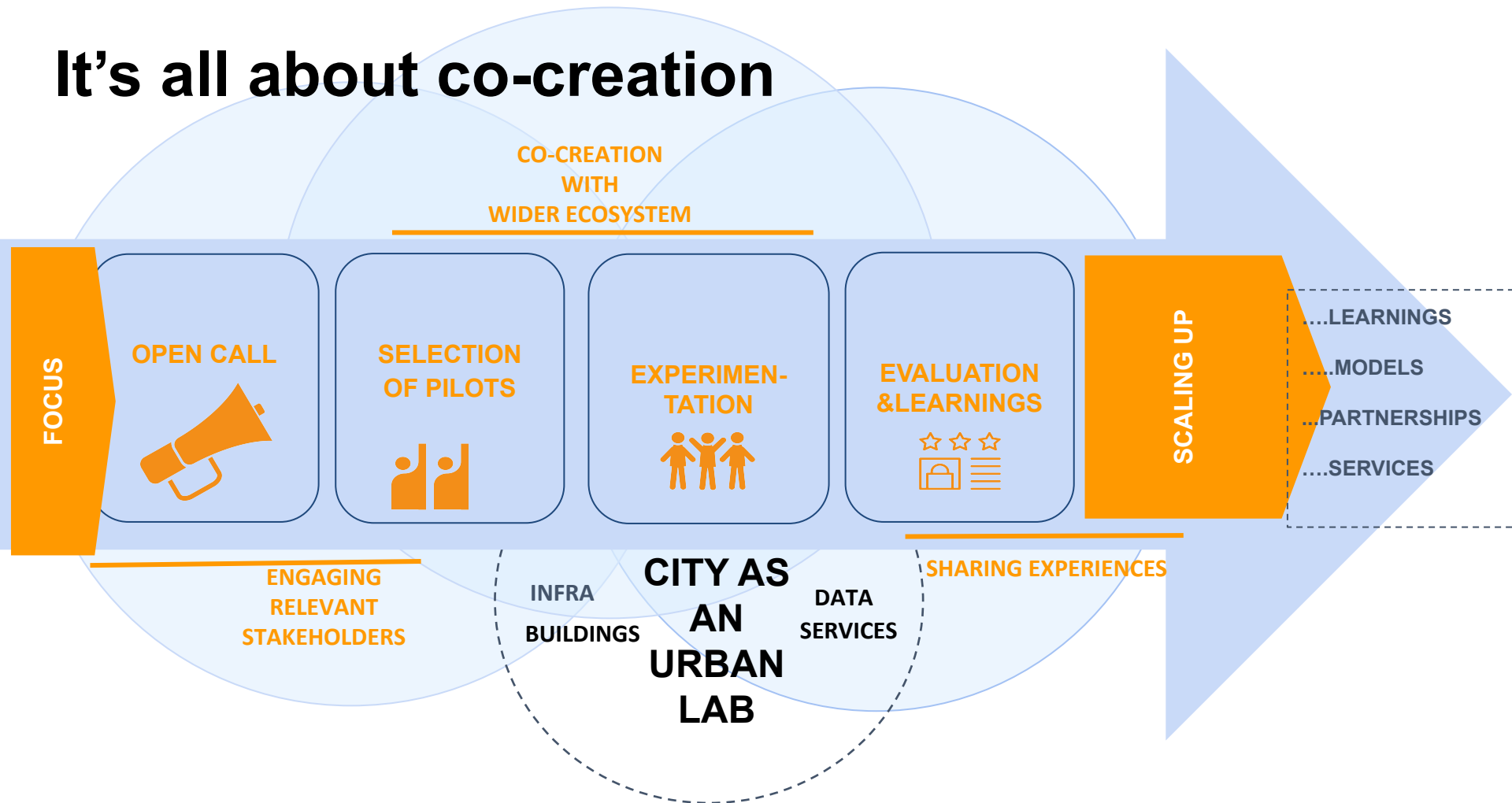
NEW NETWORKS  
AND  
PARTNERSHIPS

ENGAGING  
CITIZENS

FUTURE  
USE CASES



# It's all about co-creation



# Home-on-demand

AGILE PILOTING/NOPEAT KOKEILUT  
@REDI, Kalasatama

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# Home-on-demand -challenge

How to tackle the challenges of last meter deliveries in urban everyday life?

**Open call:** Agile pilots to solve last meter delivery challenges in a precisely determined area / routes.

We are looking for an autonomous courier and service design to support the pilot.

- Starting point: one use case, can be slightly modified during the piloting period.
- *Examples: “A resident orders sushi from K-Supermarket Redi via Asumi-app to be delivered to Majakka Sauna space on the 33th floor.” or “coffee and sandwiches to Kalasatama Urban Lab”*

# Open call

We are looking for an innovative autonomous courier service and service design to support the pilot

- Autonomous courier service/delivery robot 20k
- Service design 10k
- The same operator can offer one or both, also several players can offer as a consortium
- Piloting period 08-09/2020
- Tech etc. preparations 04-06/2020

Open call to be launched in week 11/2020.

Pilots are part of a project 6Aika: New solutions in city logistics.

**6Aika**

Leverage from  
the EU  
2014–2020



**#lastmile**

**#home-on-demand**



# Piloting

Facilitated process by FVH

- Kick off with all partners
- design spring / summer
- Real life piloting 1-2 months 08-09/2020

Autonomous courier

- Integration to KONE elevator APIs
- Navigation indoors
- Communication with piloting partners (K-Supermarket) and end users/customers
- Possibilities for living lab assistance

Service design

- User experience during the whole service

A goal of the pilot is to learn as much as possible!

**#lastmile**  
**#home-on-demand**

# What do we want to learn?

- Learnings from client's perspective / service experience
- Learnings from service provider's (restaurants, shops) perspective
- How to take autonomous couriers into account in building design and architecture in the future
- Scalability of the service, in Redi and elsewhere
- What learning can we gather from the perspective of public services?

**#lastmile**  
**#home-on-demand**



# Timeline

**3/2020**

- Introduction of the agile piloting program in REDI
- Open call

**4/2020**

- DL for offers

**4-6/2020**

- Selecting the piloting solutions
- Contracts
- Fixing the use case
- Kick-off  
Designing and concepting + tech preparations

**8-9/2020**

- Piloting in real life environment
- Lessons learned





# FORUM VIRIUM HELSINKI

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